

Patent Abstracts of Japan

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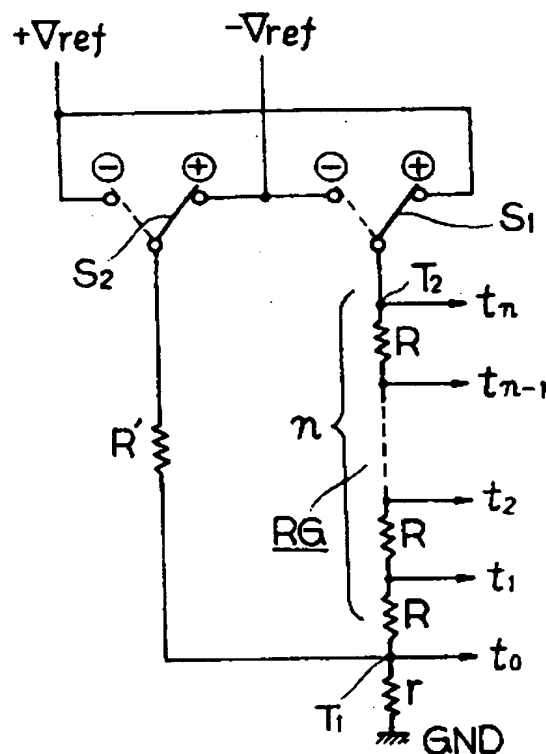
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TITLE : VOLTAGE DIVIDING CIRCUIT



ABSTRACT : PURPOSE: To increase the accuracy of divided voltage, by connecting the return resistor having the same resistance as the resistor network and the reference potential of the opposite polarity as the resistor network via the interlocking switch to the connection point between the voltage division resistance network and ground wiring.

CONSTITUTION: One end of the voltage division resistance network  $R_G$  is connected to the reference voltage  $V_{ref}$  of positive or negative polarity via the switch  $S_1$ , and another end is connected to the ground potential via the ground resistor ( $r$ ). Further, at the connection point  $T_1$  between the resistance network  $R_G$  and the ground resistance ( $r$ ), the reference voltage  $V_{ref}$  of the opposite as that given to the resistance network  $R_G$  is connected via the return resistor  $R'$  of the same resistance value as the resistance network  $R_G$  and the switch  $S_2$  in interlocking with the switch  $S_1$ . Thus, the potential at the connecting point  $T_1$  is the same as ground potential and the current flowing to ground GND is absent.

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